

1 Claims

2 1. A method for transmitting encrypted useful data objects
3 NDO to a first telecommunications terminal, wherein:
4
5 in a switching component (VK; EMV) of a telecommunications
6 network an encrypted useful data object (NDO) that is to be
7 transmitted to the first telecommunications terminal (TG2)
8 is provided with a reference (Transcoding-URI) for the
9 purpose of checking the suitability of the encrypted useful
10 data object for the first telecommunications terminal;
11
12 a profile relating to the capabilities of the first
13 telecommunications terminal to process a useful data object
14 is determined by the switching component (VK);
15
16 a request is transmitted by the switching component (VK)
17 together with the determined profile of the first
18 telecommunications terminal to a data provisioning component
19 (DBK) in accordance with an address contained in the
20 reference in order to check whether the useful data object
21 to be transmitted is suitable for processing by the first
22 telecommunications terminal (TG2);
23
24 information relating to the result of the check on the
25 suitability of the useful data object to be transmitted for
26 the first telecommunications terminal (TG2) is transmitted
27 to the switching component (VK) by the data provisioning
28 component (DBK); and
29
30 an encrypted useful data object (NDO) is provided by the
31 switching component in accordance with the information
32 relating to the check and the first telecommunications
33 terminal (TG2) is notified (I) thereof.

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2 2. The method as claimed in claim 1, wherein the encrypted
3 useful data object (NDO) and the reference (Transcoding-URI)
4 are provided in a container object (CO).

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6 3. The method as claimed in claim 1 or 2, wherein the
7 encrypted useful data object (NDO) to be transmitted is
8 transmitted by a second telecommunications terminal (TG1) to
9 the switching component (VK) for forwarding to the first
10 telecommunications terminal (TG2).

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12 4. The method as claimed in one of the claims 1 to 3,
13 wherein the profile relating to the capabilities of the
14 first telecommunications terminal is determined by the
15 sending of a query to a database (DBE) of the
16 telecommunications network in which the terminal device
17 characteristics are stored.

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19 5. The method as claimed in one of the claims 1 to 3,
20 wherein the profile relating to the capabilities of the
21 first telecommunications terminal (TG2) is determined by the
22 sending of a query to the first telecommunications terminal
23 itself.

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25 6. The method as claimed in one of the claims 1 to 5,
26 wherein the address contained in the reference includes a
27 URL.

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29 7. The method as claimed in one of the claims 1 to 6,
30 wherein the encrypted useful data object to be transmitted
31 is also transmitted in addition in the request of the
32 switching component to the data provisioning component.

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1 8. The method as claimed in one of the claims 1 to 7,
2 wherein if the result of the check by the data provisioning
3 component (DBK) is negative, the information to the
4 switching component (VK) contains a pointer to a data
5 provisioning component from which the switching component
6 can request a suitable useful data object in accordance with
7 the profile of the first telecommunications terminals (TG2).
8

9 9. The method as claimed in one of the claims 1 to 7,
10 wherein if the result of the check by the data provisioning
11 component (DBK) is negative, the information to the
12 switching component (VK) contains a suitable useful data
13 object.
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15 10. The method as claimed in one of the claims 1 to 9,
16 wherein the first telecommunications terminal (TG2), in
17 response to the notification (I) of the switching component
18 (VK) concerning the provision of a suitable useful data
19 object, transmits a request (II) for the suitable encrypted
20 useful data object to be sent to the switching component,
21 which thereupon sends the suitable encrypted useful data
22 object to the first telecommunications terminal (III).
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24 11. The method as claimed in one of the claims 1 to 10,
25 wherein data is sent to and from the first (TG2) and/or
26 second (TG1) telecommunications terminal via an air
27 interface.
28

29 12. The method as claimed in claim 11, wherein the first
30 and/or second telecommunications terminal (TG1, TG2)
31 comprises a radio module and in particular is embodied as a
32 mobile telephone, a cordless telephone, or a portable
33 computer.

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2 13. The method as claimed in claim 11 or 12, wherein
3 messages are transmitted to and from the first and/or second
4 telecommunications terminal (TG1, TG2) using WAP protocols
5 or the Hypertext Transfer Protocol (http).
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7 14. The method as claimed in one of the claims 1 to 13,
8 wherein the first telecommunications terminal (TG2) is part
9 of a first telecommunications network.
10

11 15. The method as claimed in claim 14, wherein the first
12 telecommunications network is implemented as a mobile radio
13 network which operates in particular in accordance with the
14 GSM or UMTS standard.
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16 16. The method as claimed in one of the claims 14 or 15,
17 wherein the switching component (VK) is embodied as part of
18 a second telecommunications network which is connected to
19 the first telecommunications network and is implemented in
20 particular as a telecommunications network based on internet
21 protocols such as the Hypertext Transfer Protocol.
22

23 17. The method as claimed in claim 16, wherein the first and
24 the second telecommunications network are connected to one
25 another by means of a connection component which is
26 implemented in particular as a WAP gateway.
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28 18. The method as claimed in one of the claims 1 to 17,
29 wherein following receipt of the encrypted useful data
30 object by the first telecommunications terminal a rights
31 object (RO) is transmitted to said first telecommunications
32 terminal, which rights object contains the key and the usage
33 rights for the assigned useful data object.

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2 19. The method as claimed in one of the claims 1 to 18,
3 wherein the data provisioning component (DBK) is embodied as
4 a server of a content provider.

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6 20. The method as claimed in one of the claims 1 to 19,
7 wherein the useful data object (NDO) contains text
8 information, audio information, video information, an
9 executable program, a software module, or a combination of
10 this information.

11

12 21. A telecommunications arrangement comprising a switching
13 component (VK), a data provisioning component (DBK), and at
14 least one first telecommunications terminal (TG2), wherein
15 the telecommunications arrangement is configured to perform
16 a method as claimed in one of the claims 1 to 20.

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